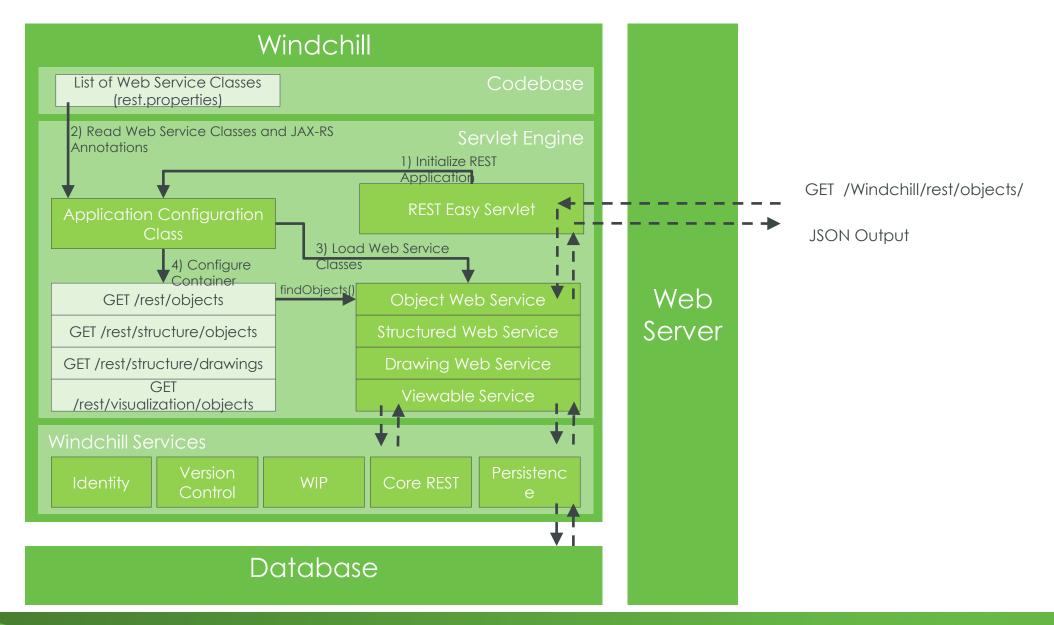


REST SERVICES IN WINDCHILL

ARCHITECTURE R11 RESTFUL WEB SERVICES





OBJECT SERVICE



- Object Web Service
 - Resource: /objects
 - Allows querying Windchill objects and their specified attributes
 - Applies to Windchill business objects

Method Name	Description	Relative URL	HTTP Method
Get Object By Id	Queries the Windchill object specified by its object identifier string	/{oid}	GET
Find Objects	Returns a list of Windchill object ids that meet the specified query criteria	/	GET

STRUCTURE SERVICE



- Structure Web Service
 - Resource: /structure/objects
 - Allows navigation of objects that are linked together to form tree structures
 - Applies to Parts, Documents, CAD Documents

Method Name	Description	Relative URL	HTTP Method
Get Object By Id	Queries the Windchill object specified by its object identifier string	/{oid}	GET
Find Objects	Returns a list of Windchill object ids that meet the specified query criteria	/	GET
Get Descendants	Gets child objects for a given Windchill object for multiple levels	/{oid}/descendants	GET
Get Ancestors	Gets the parent objects for a given Windchill object for multiple levels	/{oid}/ancestors	GET
Get Uses Summaries	Gets child objects for a given Windchill object with link information (supports multiple levels)	/{oid}/usesSummaries	GET
Get Used By Summaries	Gets parent objects for a given Windchill object with link information (supports multiple levels)	/{oid}/usedBySummaries	GET

VIEWABLE SERVICE



- Viewable Web Service
 - Resource: /visualization/objects
 - Allows access to Windchill visualization data
 - Applies to Parts, CAD Documents

Method Name	Description	Relative URL	HTTP Method
Get Viewable	Gets links to representation and files for a given representable object	/{oid}	GET

SAVED SEARCH SERVICE



- Saved Search Web Service
 - Resource: /search/saved-searches
 - Allows access to searches saved in Windchill

Method Name	Description	Relative URL	HTTP Method
Find Saved Search	Find a saved search based on given criteria	/	GET
Get Saved Search	Get a saved search given its object identifier string	/{oid}	GET
Execute Saved Search	Execute a saved search identified by its object identifier string	/{oid}/results	POST

DRAWING SERVICE



- Drawing Web Service
 - Resource: /structure/drawings
 - Allows access to drawings tied to CAD Documents and Parts

Method Name	Description	Relative URL	HTTP Method
Find Drawing	Finds a drawing for the given part or CAD Document number	/	GET

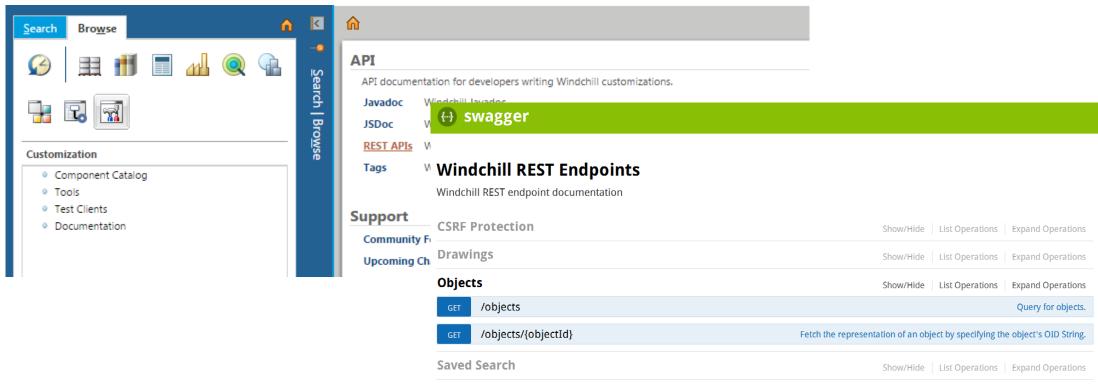
SWAGGER UI



- Accessing Swagger UI
 - Enable site preference "Client Customization"



Navigate to Customization > Documentation > REST APIs to launch Swagger UI



TESTING WITH SWAGGER UI



Testing a Windchill RESTful Service

